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DATE: 05/26/2010
TO: D. Mickunas, ERTC/EPA
FROM: Vinod Kansal, Analytical Group Leader *date for VK*
SUBJECT: Preliminary Results of Project Mississippi Canyon Oil Spill WA# 1091.

Attached please find the preliminary results of the above referenced project for the following samples.

<u>Chain of Custody No.</u>	<u>Analyses</u>
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ERTDW-05/23/10-0010	11 air samples for Propylene Glycol.
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cc: Archives
Subcontracting
G. Depasquale
V. Kansal
Joseph Soroka
D. Killeen
WAM: D. Mickunas
Task Leader: D. Miller

CASE NARRATIVE

Date: 26-May-10

Client: LOCKHEED MARTIN

Project: SERAS

Work Order No 10051418

The results of this report relate only to the samples listed in the body of this report.

Unless otherwise noted below, the following statements apply: 1) all samples were received in acceptable condition, 2) all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results, and 3) the industrial hygiene results have not been blank corrected.

ANALYTICAL RESULTS

Date: 26-May-10

Client: LOCKHEED MARTIN

Project: SERAS

Work Order No: 10051418

Sample Identification: ERTDW-00031

Lab Number: 001A

Date Sampled: 5/20/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m³)	(ppm)			
Propylene Glycol	32	0.53	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00039

Lab Number: 002A

Date Sampled: 5/21/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m³)	(ppm)			
Propylene Glycol	<20	<0.33	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00040

Lab Number: 003A

Date Sampled: 5/21/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m³)	(ppm)			
Propylene Glycol	<20	<0.33	--	20	NIOSH 5523 (modified)	05/25/2010

ANALYTICAL RESULTS

Date: 26-May-10

Client: LOCKHEED MARTIN

Project: SERAS

Work Order No: 10051418

Sample Identification: ERTDW-00046 FIELD BLANK

Lab Number: 004A

Date Sampled: 5/21/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): NA

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m³)	(ppm)			
Propylene Glycol	<20	--	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00047 FIELD BLANK

Lab Number: 005A

Date Sampled: 5/21/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): NA

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m³)	(ppm)			
Propylene Glycol	<20	--	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00050

Lab Number: 006A

Date Sampled: 5/22/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m³)	(ppm)			
Propylene Glycol	<20	<0.33	--	20	NIOSH 5523 (modified)	05/25/2010

ANALYTICAL RESULTS

Date: 26-May-10

Client: LOCKHEED MARTIN

Project: SERAS

Work Order No: 10051418

Sample Identification: ERTDW-00051

Lab Number: 007A

Date Sampled: 5/22/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (μg)	Test Method	Date Analyzed
	(μg)	(mg/m^3)	(ppm)			
Propylene Glycol	<20	<0.33	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00057

Lab Number: 008A

Date Sampled: 5/22/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (μg)	Test Method	Date Analyzed
	(μg)	(mg/m^3)	(ppm)			
Propylene Glycol	<20	<0.33	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00062

Lab Number: 009A

Date Sampled: 5/22/2010

Sample Type: OVS-7 Tube

Date Received: 5/25/2010

Analyst: SAS

Air Volume (L): 60

Analyte	Analytical Results			Reporting Limit (μg)	Test Method	Date Analyzed
	(μg)	(mg/m^3)	(ppm)			
Propylene Glycol	<20	<0.33	--	20	NIOSH 5523 (modified)	05/25/2010

ANALYTICAL RESULTS

Date: 26-May-10

Client: LOCKHEED MARTIN

Project: SERAS

Work Order No: 10051418

Sample Identification: ERTDW-00067 FIELD BLANK

Lab Number: 010A

Date Sampled: 5/22/2010

Sample Type OVS-7 Tube

Date Received: 5/25/2010

Analyst SAS

Air Volume (L): NA

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m ³)	(ppm)			
Propylene Glycol	<20	--	--	20	NIOSH 5523 (modified)	05/25/2010

Sample Identification: ERTDW-00068 FIELD BLANK

Lab Number: 011A

Date Sampled: 5/22/2010

Sample Type OVS-7 Tube

Date Received: 5/25/2010

Analyst SAS

Air Volume (L): NA

Analyte	Analytical Results			Reporting Limit (µg)	Test Method	Date Analyzed
	(µg)	(mg/m ³)	(ppm)			
Propylene Glycol	<20	--	--	20	NIOSH 5523 (modified)	05/25/2010

General Notes:

<: Less than the indicated reporting limit (RL).

--: Information not available or not applicable.

Back sections (if applicable) were checked and showed no significant breakthrough unless otherwise noted.

Bureau Veritas North America, Inc.

Date: 26-May-10

CLIENT: LOCKHEED MARTIN

Work Order: 10051418

Project: SERAS

QC SUMMARY REPORT

Method Blank

Sample ID: MB-R148436	Batch ID: R148436	Units: µg	Analysis Date: 5/25/2010	Prep Date:							
Client ID:	Run ID: GC_HP16P_100525A	SeqNo: 2277324									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Propylene Glycol	ND	20									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting Limit

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Bureau Veritas North America, Inc.

Date: 26-May-10

CLIENT: LOCKHEED MARTIN
Work Order: 10051418
Project: SERAS

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: LCS-R148436		Batch ID: R148436		Units: µg		Analysis Date: 5/25/2010			Prep Date:		
Client ID:		Run ID: GC_HP16P_100525A				SeqNo: 2277325					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Propylene Glycol	85.6	20	80.8	0	106	57.2	138	0			

Sample ID: LCSD-R148436	Batch ID: R148436	Units: µg	Analysis Date: 5/25/2010				Prep Date:				
Client ID:		Run ID: GC_HP16P_100525A	SeqNo: 2277337								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Propylene Glycol	82.8	20	80.8	0	102	57.2	138	85.6	3.36	14.1	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below Reporting Limit

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CHAIN OF CUSTODY RECORD

Site #: ERTDW

Contact Name: Joseph Brandline

Lab: Bureau Veritas

Contact Phone: 516-993-0400

Lab Phone: 248.344.2649

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Media	Collected	Sample Time	Volume	Vol Units	Total Time	Avg Flow	Flow Units
	ERTDW-00031 ✓	Intl Peace	Starboard Midship Stand	NISOH 5523 (propylene glycol)	Air	XAD-7	5/20/2010	19:30	60	Liter s	50	1.2	L/min
	ERTDW-00039 ✓	Intl Peace-003	Starboard Midship	NISOH 5523 (propylene glycol)	Air	XAD-7	5/21/2010	18:04	60	Liter s	50	1.2	L/min
	ERTDW-00040 ✓	Intl Peace-003	Starboard Midship CoLoc	NISOH 5523 (propylene glycol)	Air	XAD-7	5/21/2010	18:04	60	Liter s	50	1.2	L/min
	ERTDW-00046 ✓	Field Blank		NISOH 5523 (propylene glycol)	Air	XAD-7	5/21/2010	18:20	0	Liter s	0	0	L/min
	ERTDW-00047 ✓	Field Blank		NISOH 5523 (propylene glycol)	Air	XAD-7	5/21/2010	18:20	0	Liter s	0	0	L/min
	ERTDW-00050 ✓	Warrior-002	Port Midship	NISOH 5523 (propylene glycol)	Air	XAD-7	5/22/2010	11:56	60	Liter s	50	1.2	L/min
	ERTDW-00051 ✓	Warrior-002	Port Midship Co-Located	NISOH 5523 (propylene glycol)	Air	XAD-7	5/22/2010	11:56	60	Liter s	50	1.2	L/min
	ERTDW-00057 ✓	Warrior-004	Port Midship	NISOH 5523 (propylene glycol)	Air	XAD-7	5/22/2010	15:04	60	Liter s	50	1.2	L/min
	ERTDW-00062 ✓	Fish Camp	Dock	NISOH 5523 (propylene glycol)	Air	XAD-7	5/22/2010	17:40	60	Liter s	50	1.2	L/min
	ERTDW-00067 ✓	Field Blanks	Field Blanks	NISOH 5523 (propylene glycol)	Air	XAD-7	5/22/2010	18:00	0	Liter s	360	0	L/min
	ERTDW-00068 ✓	Field Blanks	Field Blanks	NISOH 5523 (propylene glycol)	Air	XAD-7	5/22/2010	18:00	0	Liter s	360	0	L/min

Special Instructions: NIOSH 5523, <u>24 Hour Turnaround</u> , Please give priority to samples ERTDW-00031,39,40,50,51,57, Lot# 6368	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]